



Atty Dkt No. 9001-0042.01  
PATENT

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JP

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Gail Wardwell  
Signature

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TECH CENTER 1600/2900

In Re Application of:

BARKER et al.

Serial No.: 10/074,152

Group Art Unit: Unassigned

Filing Date: February 11, 2002

Examiner: Unassigned

Title: IMMUNOLOGICAL METHODS TO MODULATE MYOSTATIN IN  
VERTEBRATE SUBJECTS

**TRANSMITTAL LETTER**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is an Information Disclosure Statement and a Form PTO-1449.

It is believed that no fee is due.

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 which may be required by this paper, or to credit any overpayment, to Deposit Account No. 18-1648.

Respectfully submitted,

Date: 11/7/02

By: Roberta L. Robins

Roberta L. Robins  
Registration No. 33,208

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**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The information listed on the attached PTO-1449 forms may be material to the examination of the above-identified application. A completed Form PTO-1449 listing the references identified below accompanies this paper.

All references are of record, or have been submitted in related application serial number 09/252,149 from which the present application claims priority under 35 U.S.C. §120. Thus, pursuant to C.F.R. §1.98(d), copies of the references are not included.

Applicants would appreciate the Examiner's initialing and returning the form to indicate that the references have been reviewed and made of record in the present application.

This Information Disclosure Statement under 37 CFR § 1.97 is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information,

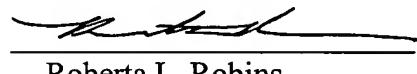
Atty Dkt No. 9001-0042.01

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protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

Respectfully submitted,

Date: 11/7/02 By:   
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Registration No. 33,208

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FORM PTO-1449 (Modified)  
LIST OF PATENTS AND PUBLICATIONS  
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)  
Sheet 1 of 3

In the Application of BARKER et al.

Serial No.: 10/074,152

Art Unit: Unassigned

Filed: February 11, 2002

Examiner: Unassigned

Title: IMMUNOLOGICAL METHODS TO MODULATE MYOSTATIN IN VERTEBRATE SUBJECTS

## U.S. PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
	AA-1	5,827,733	October 27, 1998	Lee et al.			
	AB-1	5,914,234	June 1999	Lee et al.			
	AC-1	5,994,618	November 1999	Lee et al.			

## FOREIGN PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Translation YES NO
	AD-1	WO 94/21681	September 1994	PCT			
	AE-1	WO 96/01845	January 1996	PCT			
	AF-1	WO 98/33887	August 6, 1998	PCT			
	AG-1	WO 99/02667	January 21, 1999	PCT			
	AH-1	WO 99/06559	February 1999	PCT			
	AI-1	WO 99/24618	May 1999	PCT			
	AJ-1	WO 99/40181	August 1999	PCT			
	AK-1	WO 01/05820	January 2001	PCT			

Examiner:

Date Considered:

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Title: IMMUNOLOGICAL METHODS TO MODULATE MYOSTATIN IN VERTEBRATE SUBJECTS

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
	AL-1	Immunology A Short Course, Benjamini and Leskowitz Wiley-Liss, Inc. Second Edition, Copyright 1991
	AM-1	Casas et al., "Association of the Double-Muscling Locus on Bovine Chromosome Two (BTA2) With Carcass Traits," <i>J. Anim. Sci.</i> <u>75</u> (1):149 (1997)
	AN-1	Dickman, Steven, "Gene Mutation Provides More Meat on the Hoof," <i>Science</i> <u>277</u> :1922-1923 (1977)
	AO-1	Gonzalez-Cadavid et al., "Organization of the Human Myostatin Gene and Expression in Healthy Men and HIV-Infected Men With Muscle Wasting," <i>Proc. Natl. Acad. Sci. USA</i> <u>95</u> :14938-14943 (1998)
	AP-1	Grobet et al., "A Deletion in the Bovine Myostatin Gene Causes the Double-Muscled Phenotype in Cattle," <i>Nature Genetics</i> <u>17</u> :71-74 (1997)
	AQ-1	Kambadur et al., "Mutations in <i>Myostatin</i> (GDF8) in Double-Muscled Belgian Blue and Piedmontese Cattle," <i>Genome Research</i> <u>7</u> :910-916 (1997)
	AR-1	McKnight, Steven L., "Gatekeepers of Organ Growth," <i>Proc. Natl. Acad. Sci. USA</i> <u>94</u> :12249-12250 (1997)
	AS-1	McPherron et al., "Double Muscling in Cattle Due to Mutations in the Myostatin Gene," <i>Proc. Natl. Acad. Sci. USA</i> <u>94</u> :12457-12461 (1997)

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Examiner: Unassigned

Title: IMMUNOLOGICAL METHODS TO MODULATE MYOSTATIN IN VERTEBRATE SUBJECTS

Exam. Init.	Ref. Desig.	Description
	AT-1	McPherron et al., "Regulation of Skeletal Muscle Mass in Mice by a New TGF- $\beta$ Superfamily Member," <i>Nature</i> <u>387</u> :83-90 (1997)
	AU-1	Ménissier, F., "Present State of Knowledge About the Genetic Determination of Muscular Hypertrophy or the Double Muscled Trait in Cattle," <i>Muscle Hypertrophy of Genetic Origin</i> ...:387-428 (1982)
	AV-1	Shahin et al., "Growth Patterns of Muscle, Fat and Bone, and Carcass Composition of Double Muscled and Normal Cattle," <i>Can. J. Anim. Sci.</i> <u>65</u> (2):279-294 (1985).
	AW-1	Westhusin, Mark, "From Mighty Mice to Mighty Cows," <i>Nature Genetics</i> <u>17</u> :4-5 (1997)

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